

APR. 25. 2003 3:12PM

NO. 921,583.P. 8)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/745,193
				Filing Date	12/21/2000
				First Named Inventor	Rudolph W. Frey
				Group Art Unit	3739
				Examiner Name	
				Attorney Docket Number	24430.9
Sheet	5	of	9		

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
	EA	6,007,204		Fahrenkrug et al.	Dec. 28, 1999	
	EB	6,043,885		Mazuet et al.	Mar. 28, 2000	
	EC	6,050,687		Bille et al.	Apr. 18, 2000	
	ED	6,057,913		Brown et al.	May 02, 2000	
	EE	6,086,204		Magnanico	Jul. 11, 2000	
	EF	6,093,631		Williams et al.	Aug. 1, 2000	
	EG	6,155,684		Bille et al.	Dec. 05, 2000	

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Examiner Initials*	Cite No.	Foreign Patent Document			Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number	Kind Code (if known)		
	EH	PCT	WO 87/05205		G. Rodenstock Sept. 11, 1987	
	EL	PCT	WO 87/06478		Institut National De La Sante Et De La Recherche Medicale Nov. 5, 1987	
	EJ	PCT	WO 92/01417		Horwitz, Larry S. Feb. 6, 1992	
	EK	JP	5-146409		Topcon Corp. June 15, 1993	T
	EL	JP	6-327634		Topcon Corp. Nov. 29, 1994	T
	EM	WO	93/28989		Autonomous Technologies Corp. Nov. 2, 1995	
	EN	EP	0 697 611	A3	Carl Zeiss Feb. 21, 1996	T
	EO	EP	0 697 611	A2	Carl Zeiss Feb. 21, 1996	T
	EP	DE	42 22 395	A1	Meyer-Roedern Jan. 13, 1994	
	EO	PCT	WO 98/27863		University of Rochester July 2, 1998	T

Examiner Signature	<i>[Signature]</i>	Date Considered	May 1, 2003
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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NO. 9210/SB/08/P. 9)

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				Examiner Name	
Sheet	6	of	9	Attorney Docket Number	24430.9

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	ER	PULIANTO, et al., "High-Speed Photography of Excimer-Laser Ablation of the Cornea," <i>Arch Ophthalmol</i> , Vol. 105, Sept. 1987, pages 1255-1259.	
dm	ES	LIANG, et al., "Objective Measurement of Wave Aberrations of the Human Eye with the Use of a Hartmann-Shack Wave-front Sensor," <i>J. Opt. Soc. Am. A</i> , Vol. 11, No. 7, July 1994, pages 1949-1957.	
dm	ET	WU, "Supernormal Vision, a Focus on Adaptive Optics Improves Images of the Eye and Boosts Vision," <i>Science News</i> , Vol. 152, November 15, 1997, pages 312-313.	
dm	EU	DREHER, et al., "Active Optical Depth Resolution Improvement of the Laser Tomographic Scanner," <i>Applied Optics</i> , Vol. 28, No. 4, February 1989, pages 804-808.	
dm	EV	GEARY, "Appendix 1.1 - Basic Geometrical Optics, Chapter 6 - Indirect Wavefront Measurement, Part II," and "Chapter 7 - Wavefront Sensor Characterization & Calibration," <i>Introduction to Wavefront Sensors</i> , May 1995, pages 10-11, 89-103, and 105-109.	
dm	EW	"Scientists Snap Sharpest Pictures of Living Human Retina," http://www.rochester.edu/pr/releases/opt/will.htm , October 3, 1994.	
dm	EX	THE APPLIED OPTICS GROUP, "Shack Hartmann Sensors," http://op.ph.ic.ac.uk/ao/sh_sense.html , June 4, 1996, pages 1-3.	
dm	EY	THE APPLIED OPTICS GROUP, "Results from UKIRT," http://op.ph.ic.ac.uk/ao/ukirt_res.html , February 22, 1995, pages 1-2.	
dm	EZ	THE APPLIED OPTICS GROUP, "Astronomical Imaging Through Turbulence: An Overview," http://op.ph.ic.ac.uk/ao/overview.html , June 4, 1996, pages 1-4.	
dm	FA	ESA, WFS, "Wave Front Sensor," http://esapub.esrin.esa.it/poinottotest/test251.html , May 23, 1997, pages 1-2.	
dm	FB	WILLIAMS, "Limits of Human Vision," http://www.cvs.rochester.edu/people/d_williams/d_williams.html , December 30, 1998, pages 1-4.	
dm	FC	"Extensions of Low-Cost Adaptive Optics: Imaging of Space-Objects, the Retina, and Power Projection," <i>Industrial Sensors and Actuators</i> , dated Dec. 1993 (actual publication date, if any, unknown), pp. 1, 10, and 15.	

Examiner Signature	<i>[Signature]</i>	Date Considered	May 1, 2003
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NO. 921,580/P. 10

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				First Named Inventor	Rudolph W. Frey
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				Examiner Name	
Sheet	7	of	9	Attorney Docket Number	24430.9

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
dm	FD	LABJUN, et al., "Astigmatismskorrektur durch Laserthermokeratoplastik (LTK) - Ein Ansatz für die Korrektur des hohen Astigmatismus nach Perforierender Keratoplastik, <i>Contactologia 18D</i> (1996), pp. 175-183.	
dm	FE	COHEN, et al., "Assessment of the Power and Height of Radial Aspheres Reported by a Computer-assisted Keratoscope," <i>American Journal of Ophthalmology</i> , Vol. 119, Vol. No. 6, Nov. 30, 1994, pp. 723-732.	
dm	FF	CORBETT, et al., "The Topography of the Normal Cornea," <i>Eur J Implant Ref Surg.</i> Vol. 6, Oct., 1994, pp. 286-297.	
dm	FG	MAEDER, et al., "Accurate 3D Corneal Surface Measurement Using an Automated Mapping Approach," <i>SPIE</i> , Vol. 2434, 1995, pp. 328-334.	
dm	FH	SALMON, et al., "Comparison of Elevation, Curvature, and Power Descriptors for Corneal Topographic Mapping," <i>Optometry & Vision Science</i> , Vol. 72, No. 11, 1995, pp. 800-808.	
dm	FI	PAVLOPOULOS, et al., "The Effect of Artificial Tears on Computer-assisted Corneal Topography in Normal Eyes and After Penetrating Keratoplasty," <i>American Journal of Ophthalmology</i> , Vol. 119, June 1995, pp. 712-722.	
dm	FJ	ROBERTS, "Characterization of the Inherent Error in a Spherically-Biased Corneal Topography System in Mapping a Radially Aspheric Surface," <i>Journal of Refractive & Corneal Surgery</i> , Vol. 10, March/April 1994, pp. 103-111.	
dm	FK	THORNTON, "Clinical Evaluation of Corneal Topography," <i>J. Cataract Refract. Surg.</i> Vol. 19, Supplement 1993, pp. 198-202.	
dm	FL	RABINOWITZ, et al., "Computer-assisted Corneal Topography in Keratoconus," <i>Refractive & Corneal Surgery</i> , Vol. 5, Nov./Dec. 1989, pp. 400-408.	
dm	FM	WILSON, et al., "Accuracy and Precision of the Corneal Analysis System and the Topographic Modeling System," <i>Cornea</i> , Vol. 11, No. 1, 1992, pp. 28-35.	
dm	FN	BOGAN, et al., "Computer-assisted Videokeratography of Corneal Topography After Radial Keratotomy," <i>Arch. Ophthalmol.</i> , Vol. 109, June 1991, pp. 834-841.	
dm	FO	BOGAN, et al., "Classification of Normal Corneal Topography Based on Computer-assisted Videokeratography," <i>Arch. Ophthalmol.</i> , Vol. 108, July 1990, pp. 945-949.	

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NO. 921 P. 13

PTO/SB/08A (10-98)

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Attorney Docket Number	24430.9				
Sheet	2	of	2		

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		Office	Number ¹	Kind Code ² (if known)		
BA	DT		24 50 698	A1	Messerschmitt-Bölkow- Blohm GmbH	Apr. 29, 1976
BB	EP		0 151 869	A2	L'Esperance	Aug. 21, 1985
BC	WO		85/01869		Meditec-Reinhardt Thyzel GmbH	May 9, 1985
BD	WO		87/06478		Institut National De La Sante Et De La Recherche Medicale (Inserm)	Nov. 5, 1987
BE	WO		92/21999		Humphrey Instruments, Inc.	Dec. 10, 1992
BF	WO		93/16631		Phoenix Laser Systems, Inc.	Sep. 2, 1993

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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BG		PULIANTO et al, High-Speed Photography of Excimer Laser Ablation of the Cornea, Arch Ophthalmol., Vol. 105, Sept. 1987, pages 1255-1259.	
BH		SAILFIS et al, Solid-State Ultraviolet Laser Ablation of the Cornea and Synthetic Collagen Lenticules, Vol. 105, Sept. 1987, Pages 566-562.	

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